

FIG. 10

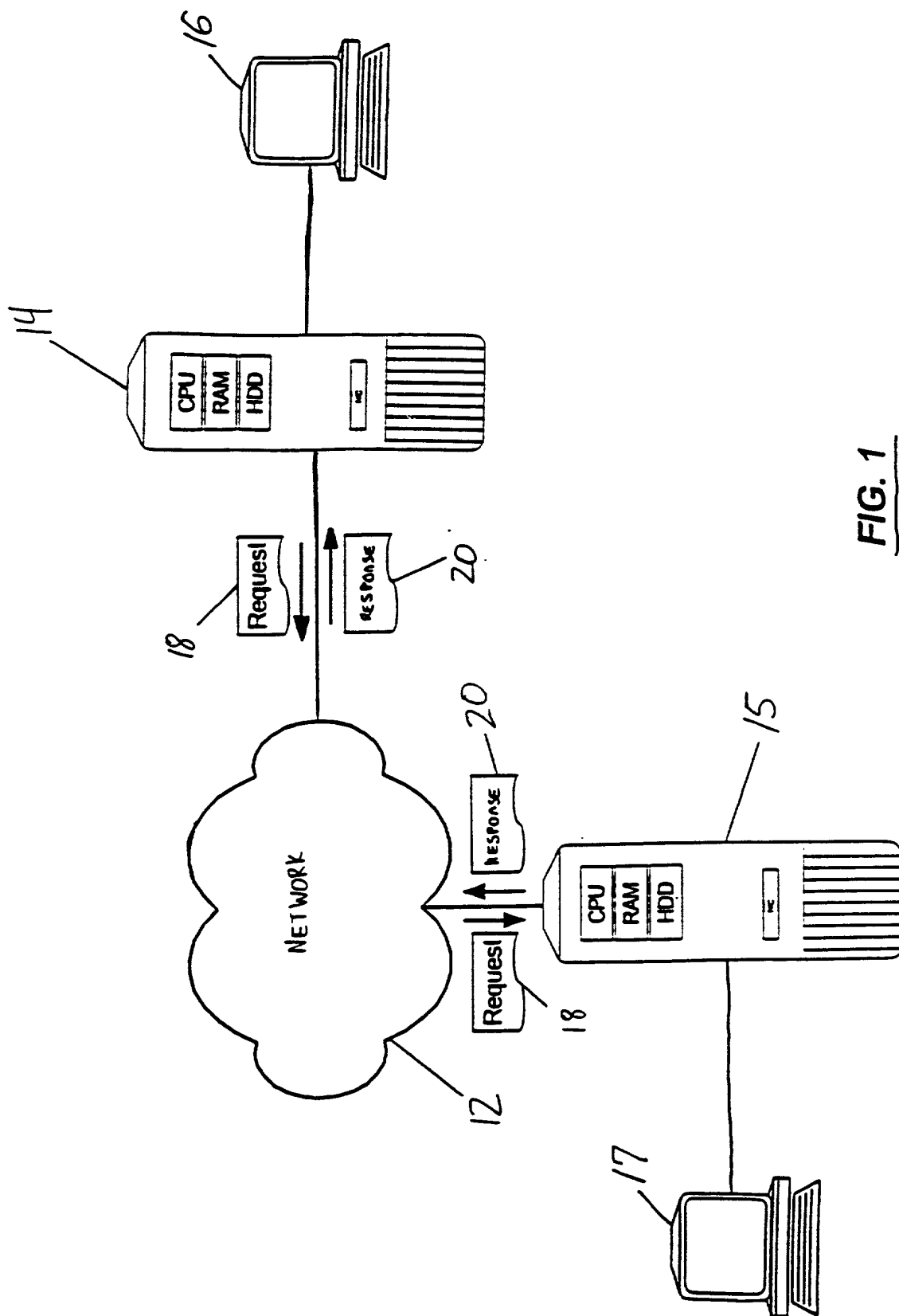


FIG. 1

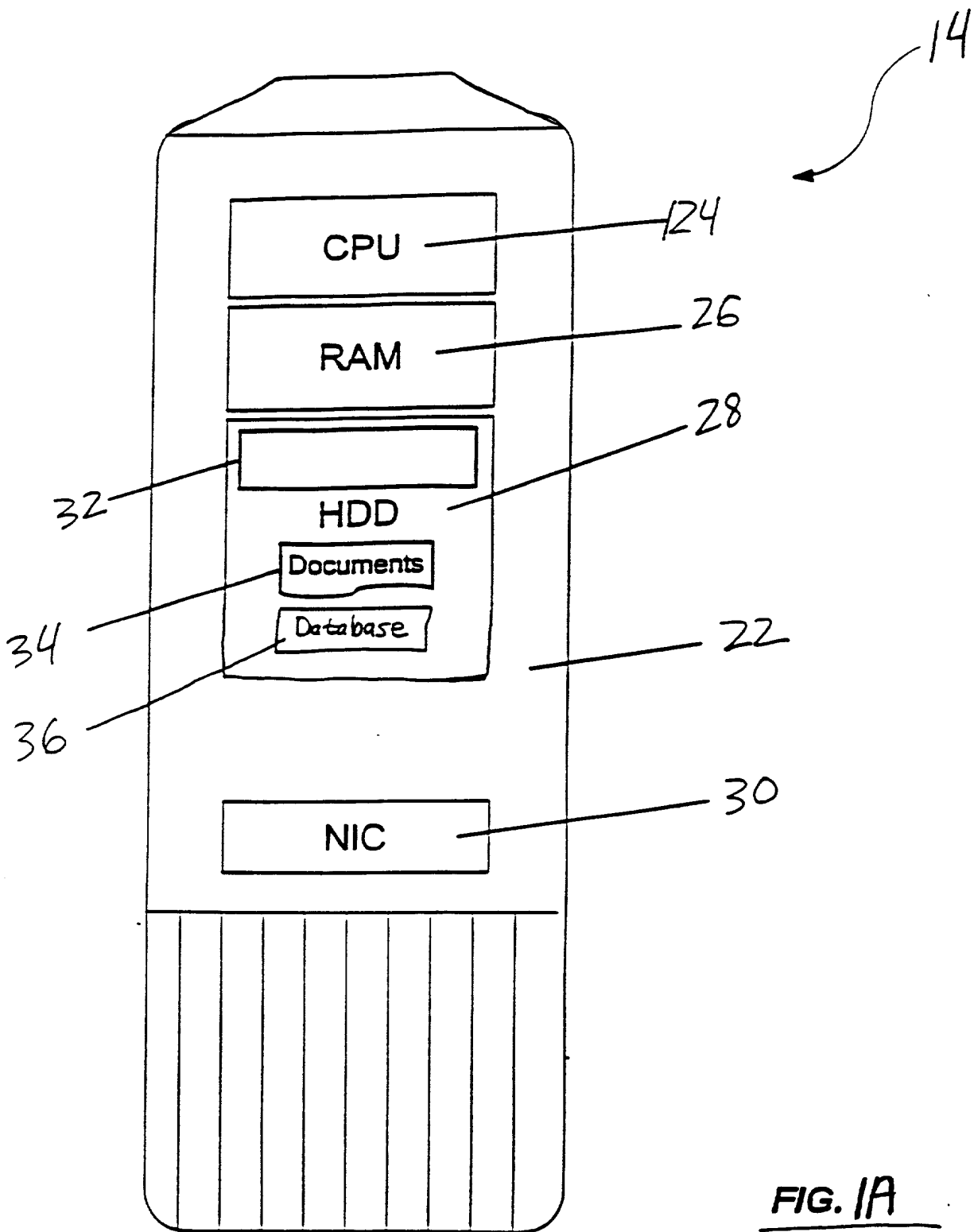
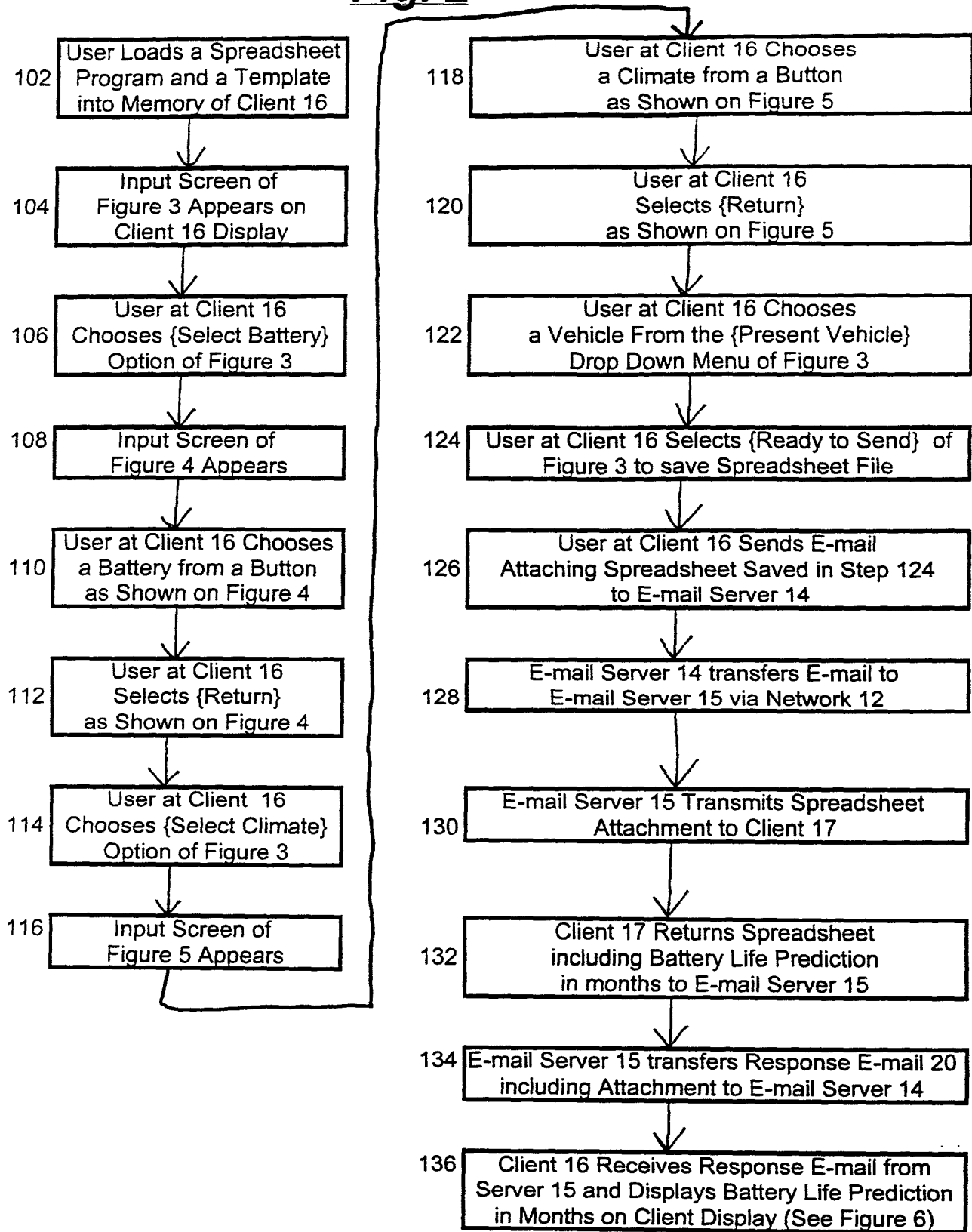


FIG. 1A

**Fig. 2**



## Examples of Life Model Interface

**Page #1**

[illegible]

# Examples of Life Model Interface

Page #2

	A	B	C	D	E
1	Battery Selection				
2	Battery now selected =			Grp 65	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Return to What-If Page (Fig. 3)

Grp 65

Grp 24

	A	B	C	D	E
1	Driving Regions of the USA				
2					
3		North			Mean
4					Annual
5					Temp
6		Central			48.0 deg F
7					56.2 deg F
8		South			64.5 deg F
9					72.6 deg F
10		East			
11					
12		Custom			
13					
14		Reset			52.5 deg F
15					
16		Report			Return to "What-If" page (Fig)
17					
18					
19	Push one of these buttons to select a driving cycle climate				
20					
21					
22					
23					

Fig. 6

# Example of Life Model Output Page

Push Buttons to Change Input Variables in Life Model				
Life Model Projections =>	Life - US Average Driver	86.5	months	
	Life - US Severe Driver	72.9	months	
<b>Select Battery</b>	Present Battery	Grp 65		
	Present Climate	Northern		
<b>Select Climate</b>	Mean Annual Battery Temp.	76.5	Deg F	
	Mean Annual Climate Temp.	48.0	Deg F	
	Present Vehicle	Make / Model		
<b>Ready to Send</b>				

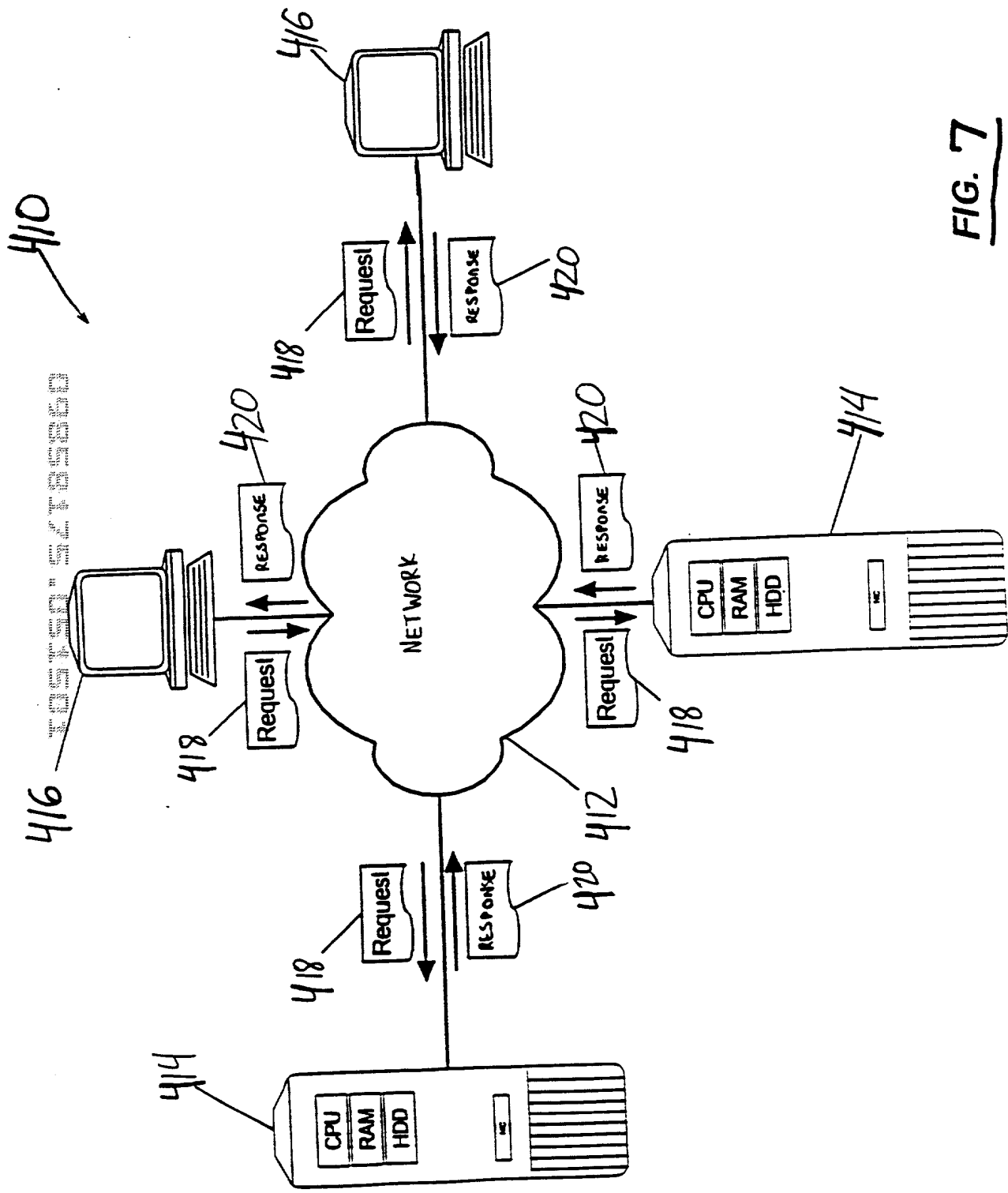


FIG. 7



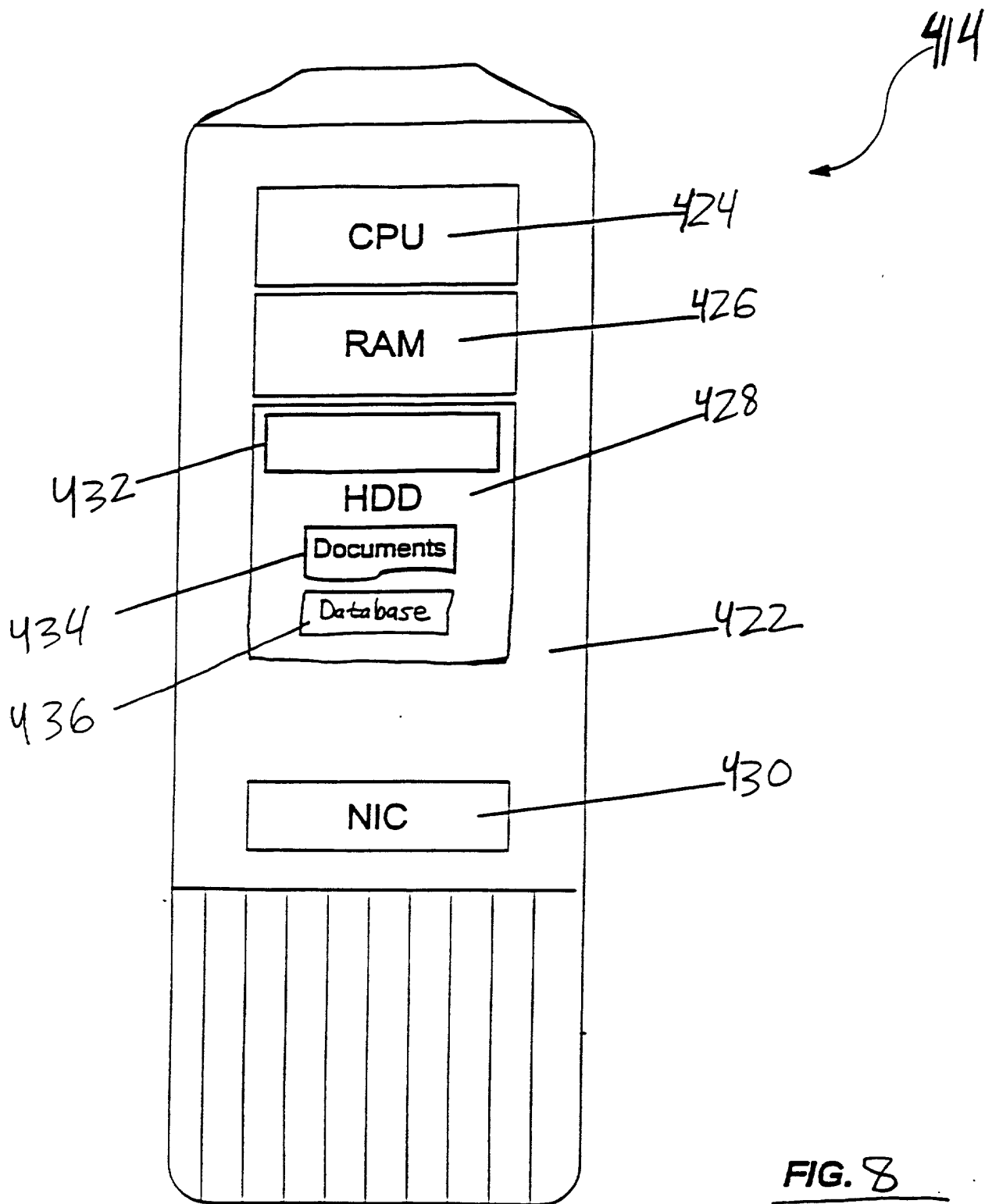
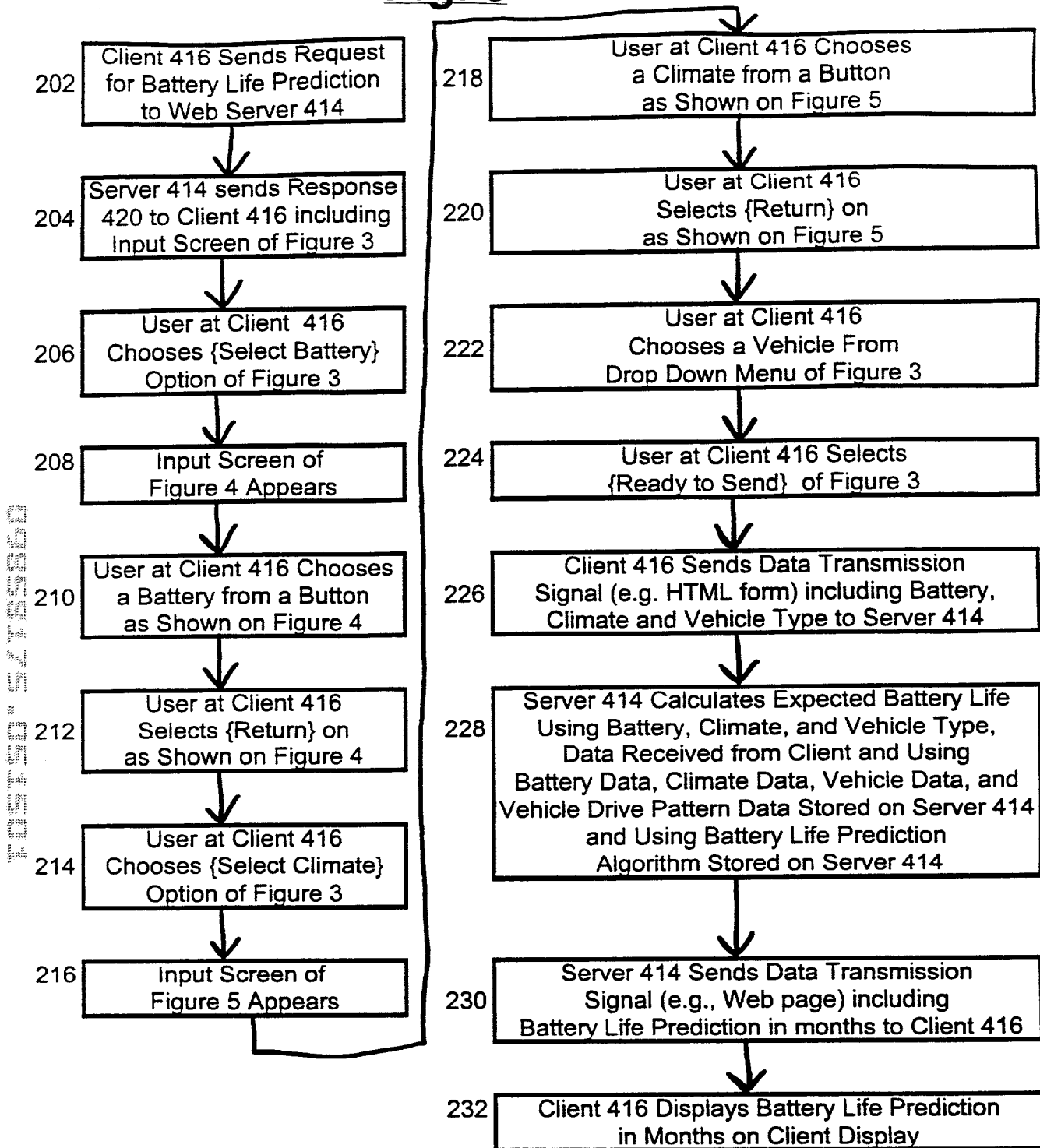


FIG. 8

**Fig. 9**



## Battery Table

Battery #1
Battery #2
Battery #3
Battery #4
Battery #5
Battery #6
Battery #7
Battery #8
Battery #N

301 ↗

Amp Hour Rating
Cold Crank Amps
Grid Alloy
Positive Grid Type
Positive Grid Weight
Positive Grid Wire Thickness
Positive Grid Height
Positive Paste Density
Positive Plate Thickness
Acid Specific Gravity (Charged)
Plate & Separator Compression
Distance of Acid above Element
Clearance above Strap
Negative Expander Type

↖ 301a

Fig. 10

# Vehicle

## Table

Vehicle #1
Vehicle #2
Vehicle #3
Vehicle #4
Vehicle #N

401 ↗

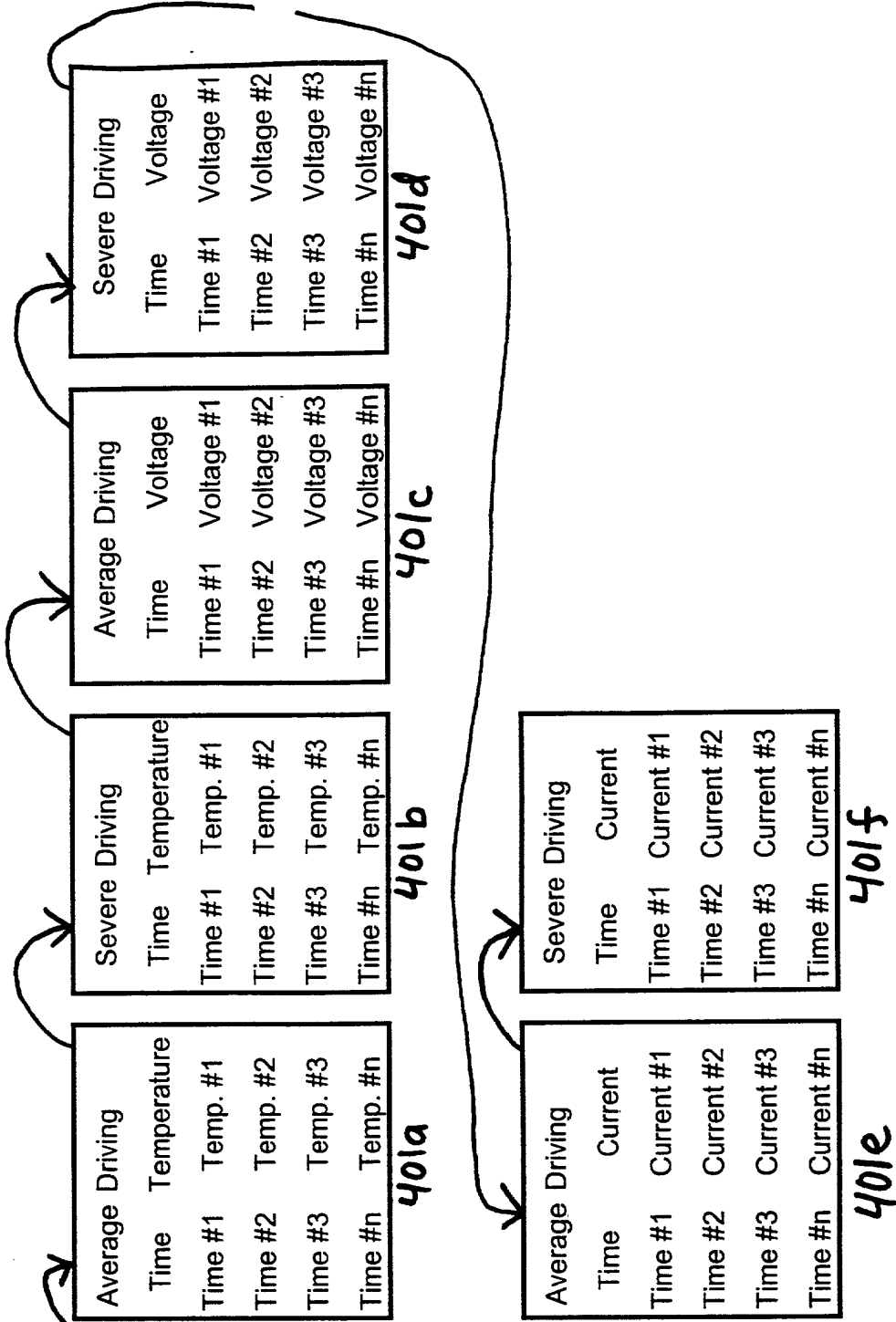


Fig. 11

Fig. 12

Degree F

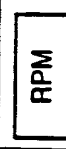
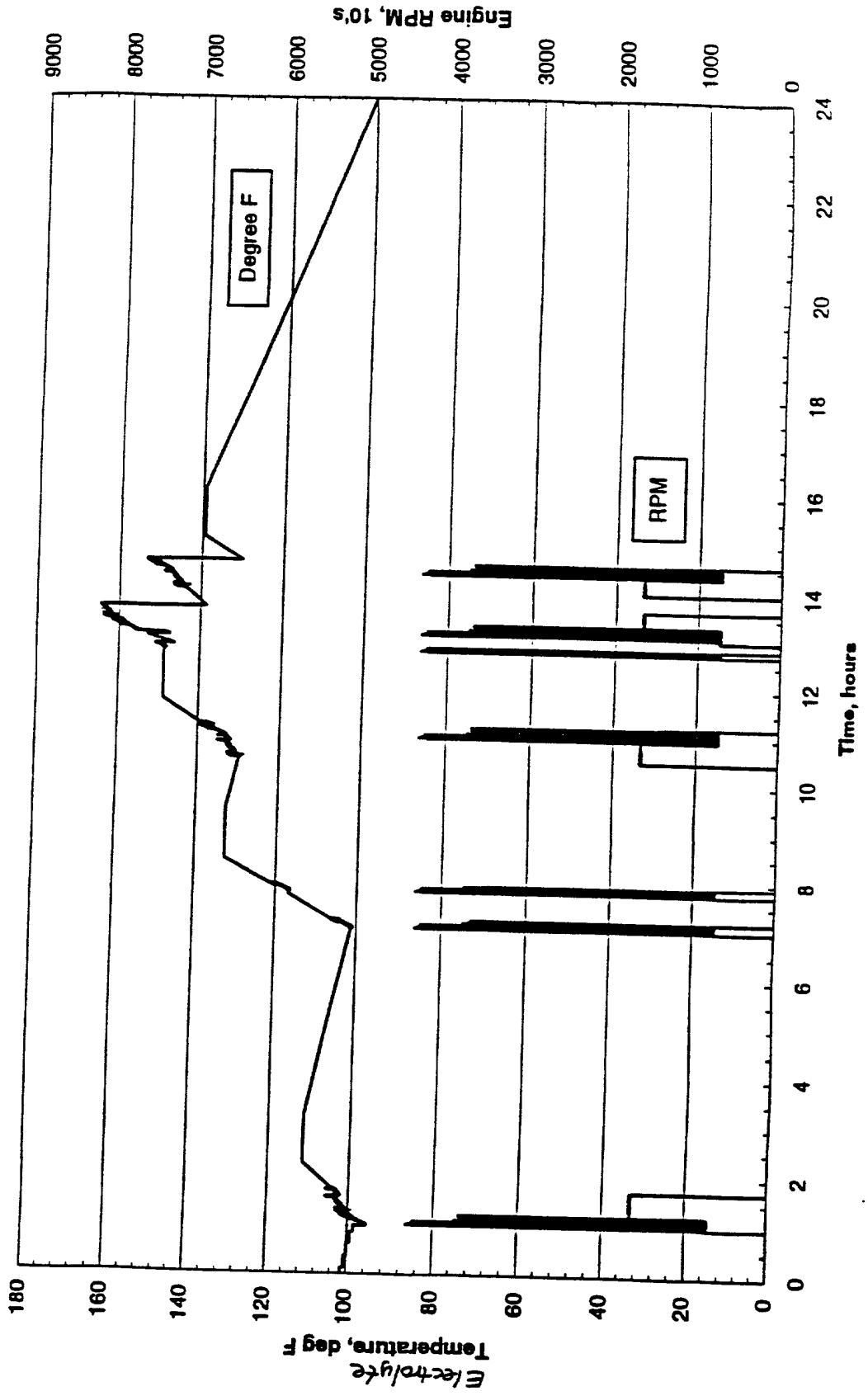


Fig. 13

**Assembled Severe Driver Profile  
Battery Temperature vs Time**



Northern
Central
Sunbelt
Desert

Summer  
Mean  
Temperature  
50.1q

Winter  
Mean  
Temperature  
5016

Spring/Fall  
Mean  
Temperature  
50°C

**Fig. 14**

**Fig. 15**

